

Amendmend to the Abstract

Abstract

An apparatus for channel interleaving comprises a spatial birefringent ~~element~~ device assembly and a reflector which is configured so as to direct light from the spatial birefringent ~~element~~ device assembly back through the spatial birefringent ~~element~~ device assembly. The spatial birefringent ~~element~~ device assembly comprises at least one spatial birefringent ~~element~~ device. Directing light from the spatial birefringent ~~element~~ device assembly back through the spatial birefringent ~~element~~ device assembly substantially mitigates cross-talk and/or dispersion of the apparatus for channel interleaving in communications.